



18351 U.S. PTO

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APPROVED
for
PTO DEPOSIT ACCOUNT CHARGE
ACCOUNT# 04-1700

Express Mail Number: EL984584060US

Date Deposited: 01/30/2004

DUNLAP CODDING & ROGERS, P.C.

PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCEUTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	5920.002
First Inventor	Lijun Xia et al.
Title	HEMATOPOIETIC STEM CELLS TREATED BY IN VITRO FUCOSYLATION AND METHODS OF USE
Express Mail Label No.	EL984584060US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Mail Stop Patent Appl., Comm. for Patents
PO Box 1450
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 53]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description - Redline Specification ____ pgs
 - Claim(s) - Clean Specification ____ pgs
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 11]
5. Oath or Declaration [Total Pages 2]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: SEE BELOW

18. This application is:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

Prior application information:

Examiner

of prior application No.:

Group Art Unit:

☐ As a CON, DIV, or CIP, this application contains one or more changes to (1) the specification; (2) drawings; or (3) claims in the above-identified prior application. A red-line version of the application showing these changes will be made available to the examiner upon request.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label 30589 (Insert Customer No. or Attach bar code label here) or ☐ Correspondence address below

Name	Dunlap, Coddling & Rogers, P.C.				
	P. O. Box 16370				
Address	Attn: Christopher W. Corbett				
City	Oklahoma City	State	OK	Zip Code	73113
Country	USA	Telephone	(405) 607-8600	Fax	(405) 607-8686

Name (Print/Type)	Christopher W. Corbett	Registration No. (Attorney/Agent)	36.109
Signature		Date	1/30/04

SEND TO: Mail Stop Patent App
P.O. Box 1450
Alexandria, VA 22313-1450

17) 1. Utility Patent Application Transmittal (1 page); 2. Fee Transmittal (1 page) Authorizing the Commissioner to charge indicated fees of \$1,074.00 (which include Utility filing fee of \$385.00, Extra Claim fee of \$649.00, and Recordation of Assignment fee of \$40.00) or any additional fee required and/or credit any overpayments to Deposit Account Name Dunlap, Coddling & Rogers, P.C.; 3. Patent Application Fee Determination Record (1 page); 4. Executed Power of Attorney or Authorization of Agent and Certificate Under 37 CFR 3.73(b) (2 pages); 5. Assignment including Recordation Cover Sheet (3 pages); 6. Complete Application for Publication (53 pages) including: (A) Specification (39 pages); (B) 73 Claims (13 pages); (C) Abstract (1 page); 7. Executed Declaration for Utility or Design Patent Application (2 pages); 8. Petition to Accept Color Drawings (2 pages); 9. Formal Drawings with labels (11 sheets) (identifying indicia in the top margin of each sheet); 10. Information Disclosure Statement (3 pages); 11. Form 1449 (modified) (3 pages); 12. Copies of Cited Art; and 13. Return receipt postcard

APPROVED

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PTO DEPOSIT ACCOUNT CHARGE
ACCOUNT NO. 04-1700Express Mail No.: EL984584060US
Date Deposited: 01/30/2004

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**FEE TRANSMITTAL
for FY 2004**

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1,074

Compleat if Known

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Lijun Xia et al.
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	5920.002

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number

04-1700

Deposit
Account
NameDunlap, Coddling & Rogers, P.C.
Customer No. 30589

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	385
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$) 385

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		Extra Claims		Fee from below		Fee Paid	
	73	** =	53	X	9	=	\$477
Independent Claims	7	** =	4	X	43	=	\$172
Multiple Dependent						=	\$0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 649

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)

Christopher W. Corbett

Registration No.
(Attorney/Agent)

36,109

Telephone (405) 607-8600

Signature

Date

01/30/2004

Mail Stop Patent Application
Commissioner for Patents
PO Box 1450, Alexandria, VA 22313-1450

EXPRESS MAIL NO.: EL984584060US
Deposited On: January 30, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : Not Yet Assigned Confirmation No.: N/A
Applicant(s) : Lijun Xia and Rodger P. McEver
Filed : Herewith
TC/A.U. : Unknown
Examiner : Unknown
Title : HEMATOPOIETIC STEM CELLS TREATED BY IN
VITRO FUCOSYLATION AND METHODS OF USE

Docket No. : 5920.002
Customer No. : 30589

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

PETITION TO ACCEPT COLOR DRAWINGS OR PHOTOGRAPHS
(37 CFR § 1.84(a)(2) AND (b)(2))

1. This Petition is for the acceptance of color:

 X drawings. (37 CFR § 1.84(a)(2))

 ___ photographs (37 CFR § 1.84(b)(20))

2. Attached hereto are three (3) sets of color:

 X drawings.

 ___ photographs.

02/06/2004 HMEKONEN 00000004 041700 10769686
01 FC:1460 130.00 DA

3. The reason(s) for the need for color drawings or photographs in this application is/are as follows:

Data points in Figure 3 are differentiated via color.

4. The petition fee required to waive the requirement of § 1.84 (37 CFR § 1.17(i) - \$130.00) is paid as follows:

___ Attached is a

___ check

___ money order

in the amount of \$_____.

X Authorization is hereby made to charge the amount of \$130.00

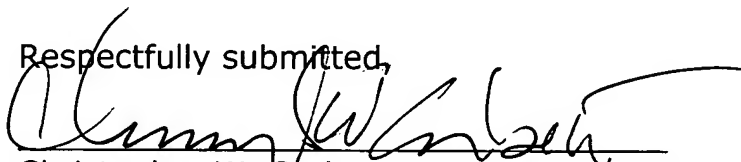
X to Deposit Account No. 04-1700

___ to credit card as shown on the attached credit card
information authorization form PTO-2038.

X Charge any additional fees required by this paper or credit any
overpayment in the manner authorized above.

A duplicate of this paper is attached.

Respectfully submitted,



Christopher W. Corbett, Reg. No. 36.109

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